Title (en)

VISUAL SEARCH METHOD, VISUAL SEARCH DEVICE AND ELECTRICAL DEVICE

Title (de)

VERFAHREN ZUR VISUELLEN SUCHE, VORRICHTUNG ZUR VISUELLEN SUCHE UND ELEKTRISCHE VORRICHTUNG

Title (fr)

PROCÉDÉ DE RECHERCHE VISUELLE, DISPOSITIF DE RECHERCHE VISUELLE ET DISPOSITIF ÉLECTRIQUE

Publication

EP 3828733 A1 20210602 (EN)

Application

EP 20173873 A 20200511

Priority

CN 201911204967 A 20191129

Abstract (en)

A visual search method, a visual search device and an electrical device are provided. The method includes: determining a first object in a visual search process, where a power consumption of the first object in the visual search process is greater than a power consumption of a second object in the visual search process, and the first object includes at least one of a program and an algorithm, the second object includes at least one of a program and an algorithm; performing a visual search through an optimized object of the first object, where a calculating speed of the optimized object is greater than a calculating speed of the first object, and/or a total calculating time of the optimized object within a unit time is less than a total calculating time of the first object within the unit time.

IPC 8 full level

G06F 16/532 (2019.01)

CPC (source: CN EP US)

G06F 1/329 (2013.01 - US); **G06F 16/532** (2018.12 - EP); **G06F 16/783** (2018.12 - CN); **G06T 7/20** (2013.01 - US); **G06T 7/246** (2016.12 - CN); **G06T 7/70** (2016.12 - US); **G06T 7/97** (2016.12 - US); G06T 2207/10016 (2013.01 - CN); Y02D 10/00 (2017.12 - EP US)

Citation (search report)

- [A] CN 110147750 A 20190820 - SHENZHEN INST ADV TECH
- [I] WU LIU ET AL: "Deep learning hashing for mobile visual search", EURASIP JOURNAL ON IMAGE AND VIDEO PROCESSING, vol. 2017, no. 1, 21 February 2017 (2017-02-21), XP055737678, DOI: 10.1186/s13640-017-0167-4
- [A] "Energy-Efficient Distributed Computing Systems : Zomaya/Energy-Efficient Computing", 3 August 2012, JOHN WILEY & SONS, INC., Hoboken, NJ, USA, ISBN: 978-0-470-90875-4, article JOSEP LL. BERRAL ET AL: "Toward Energy-Aware Scheduling Using Machine Learning : Zomaya/Energy-Efficient Computing", pages: 215 - 244, XP055737656, DOI: 10.1002/9781118342015.ch8
- [A] STEFANOS VROCHIDIS ET AL: "Optimizing visual search with implicit user feedback in interactive video retrieval", CIVR, ACM, US, 5 July 2010 (2010-07-05), pages 274 - 281, XP058296944, ISBN: 978-1-4503-0117-6, DOI: 10.1145/1816041.1816082

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3828733 A1 20210602; **EP 3828733 B1 20230913**; CN 111008305 A 20200414; CN 111008305 B 20230623; JP 2021086602 A 20210603; US 11704813 B2 20230718; US 2021166401 A1 20210603

DOCDB simple family (application)

EP 20173873 A 20200511; CN 201911204967 A 20191129; JP 2020082447 A 20200508; US 202016871206 A 20200511